

STN

FILE 'MEDLINE, BIOSIS, EMBASE, SCISEARCH, DISSABS' ENTERED AT  
12:06:19 ON

28 JUL 2006

L1 771 S NAIP  
L2 28 S L1 AND (ANTIBODIES OR ANTIBODY)  
L3 16 DUP REM L2 (12 DUPLICATES REMOVED)

## WEST Search History

Hide Items

DATE: Friday, July 28, 2006

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L2	(antibody or antibodies) and L1	239
<input type="checkbox"/>	L1	naip	416

END OF SEARCH HISTORY

MEDLINE

- #1 Search **naip**

12:04:28

216

BEST AVAILABLE COPY

Db 1201 SLPNFISLKLNL~~EQQFPDEETSEK~~LNLSLNSLEELILPTGDGIYRVALIQQCQ 1260  
Qy 1261 QLHCLRVLSFFKTLNDDSVVEIGELVFQLAWKPVV 1295  
||| ||| ||| ||| ||| ||| ||| ||| ||| |||  
Db 1261 QLHCLRV~~SFFKT~~LNDDSVVEIGELVFQLAWKPVV 1295

RESULT 4

AAW20032

ID AAW20032 standard; protein; 1403 AA.

XX

AC AAW20032;

XX

DT 06-OCT-1997 (first entry)

XX

DE Neuronal apoptosis inhibitor protein (NAIP).

XX

KW Neuronal apoptosis inhibitor protein; NAIP; diagnosis; therapy; cancer;

KW AIDS; amyotrophic lateral sclerosis; spinal muscular atrophy.

XX

OS Homo sapiens.

XX

PN WO9726331-A2.

XX

PD 24-JUL-1997.

XX

PF 17-JAN-1997; 97WO-IB000142.

XX

PR 19-JAN-1996; 96GB-00001108.

XX

PA (UYOT-) UNIV OTTAWA.

XX

PI Korneluk RG, Mackenzie AE, Roy N, Robertson G, Tamai K;

XX

DR WPI; 1997-385335/35.

DR N-PSDB; AAT71265.

XX

PT New neuronal inhibitor of apoptosis - useful for diagnosing and treating,  
e.g. cancer, AIDS or amyotrophic lateral sclerosis.

XX

PS Claim 41; Fig 6A-I; 102pp; English.

XX

CC Novel human neuronal apoptosis inhibitor protein (AAW20032), or NAIP, is  
CC a negative regulator of apoptosis, partic. neuronal apoptosis and, when  
CC deficient or absent, contributes to neurodegenerative phenotypes such as  
CC spinal muscular atrophy (SMA) and amyotrophic lateral sclerosis. Its  
CC amino acid sequence was deduced from a cDNA clone (AAT71265) obt'd. from a  
CC human foetal spinal cord cDNA library. NAIP polypeptides, esp. those  
CC containing at least two BIR (baculovirus IAP repeat) domains, can be  
CC expressed in host- vector systems and used to increase or induce  
CC apoptosis for the treatment of AIDS, neurodegenerative disease,  
CC myelodysplastic syndromes or ischaemic injury, to screen for  
CC (anti)agonists, or to produce antibodies useful for inhibiting apoptosis

XX

SQ Sequence 1403 AA;

Query Match 99.0%; Score 6691; DB 2; Length 1403;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 1282; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MATQQKASDERISQFDHNLLPELSALLGLDAVQLAKELEEEEQKERAKMQKGYNNSQMRSE 60  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Db 1 MATQQKASDERISQFDHNLLPELSALLGLDAVQLAKELEEEEQKERAKMQKGYNNSQMRSE 60

Qy 61 AKRLKTFVTYEPYSSWIHQEMAAAGFYFTGVKSGIQCFCCSLILFGAGLTRLPIEDHKRF 120  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Db 61 AKRLKTFVTYEPYSSWIHQEMAAAGFYFTGVKSGIQCFCCSLILFGAGLTRLPIEDHKRF 120

Qy 121 HPDCGFLLNKDVGNIAKYDIRVKNLKSRLRGGMRYQEEEARLASFRNWPFYVQGISPCV 180  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Db 121 HPDCGFLLNKDVGNIAKYDIRVKNLKSRLRGGMRYQEEEARLASFRNWPFYVQGISPCV 180

Qy 181 LSEAGFVFTGKQDTVQCFSCGGCLGNWEEGDDPWKEHAKWFPKCEFLRSKKSSEEITQYI 240  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Db 181 LSEAGFVFTGKQDTVQCFSCGGCLGNWEEGDDPWKEHAKWFPKCEFLRSKKSSEEITQYI 240

BEST AVAILABLE COPY

Qy 241 QSYKGFVDITGEHFVNSWQRELPMASAYCND SIFAYEELRLDSFKDWPRESAVGVAALA 300  
Db 241 QSYKGFVDITGEHFVNSWQRELPMASAYCND SIFAYEELRLDSFKDWPRESAVGVAALA 300  
Qy 301 KAGLFYTGIKDIVQCFSCGGCLEKWQEGDDPLDDHTRCFPNCPFLQNMKSSAEVT PDLQS 360  
Db 301 KAGLFYTGIKDIVQCFSCGGCLEKWQEGDDPLDDHTRCFPNCPFLQNMKSSAEVT PDLQS 360  
Qy 361 RGE LCELLETTSES NLED SIAVGPIVPEMAQGEAQWFQEA KNLNEQLRAA YTSASFRHMS 420  
Db 361 RGE LCELLETTSES NLED SIAVGPIVPEMAQGEAQWFQEA KNLNEQLRAA YTSASFRHMS 420  
Qy 421 LLDISSLATDHLLGC DLSIAS KHSKP VQEPLVLPEVFGN LNSVM CVEAGSGKTVLL 480  
Db 421 LLDISSLATDHLLGC DLSIAS KHSKP VQEPLVLPEVFGN LNSVM CVEAGSGKTVLL 480  
Qy 481 KKIAFLWASGCCP LNRFQLVYLSLSSTRPDEGLASIICDQ LLEKEGSVT EMC MRNI IQ 540  
Db 481 KKIAFLWASGCCP LNRFQLVYLSLSSTRPDEGLASIICDQ LLEKEGSVT EMC MRNI IQ 540  
Qy 541 QLK NQVLFL LDDYKEIC S I P Q VIG KLIQKNHLSRTCLLIA VRTN RARDIRRYLETILEIK 600  
Db 541 QLK NQVLFL LDDYKEIC S I P Q VIG KLIQKNHLSRTCLLIA VRTN RARDIRRYLETILEIK 600  
Qy 601 A FP FYNTVCILRKL FSHNMTRLRKF M VYFGKNQSLQKIQKTP LFVAAI CAHW FQYPFDPS 660  
Db 601 A FP FYNTVCILRKL FSHNMTRLRKF M VYFGKNQSLQKIQKTP LFVAAI CAHW FQYPFDPS 660  
Qy 661 FDDVAVFKSYMERLSLRNKATAEILKATVSSCGELALKGFFSCCFEFNDDLAEGVDED 720  
Db 661 FDDVAVFKSYMERLSLRNKATAEILKATVSSCGELALKGFFSCCFEFNDDLAEGVDED 720  
Qy 721 EDLTMC LMSKFT AQR LRP FYRF LSPAF QEF FLAGM RLIELL DSDRQEH QDL GLYHL KQINS 780  
Db 721 EDLTMC LMSKFT AQR LRP FYRF LSPAF QEF FLAGM RLIELL DSDRQEH QDL GLYHL KQINS 780  
Qy 781 PMMTVSAYNNFLNYVSSLPSTKAGPKIVSHLLHLVDN KESLEN ISEN DDYL KHQPEISLQ 840  
Db 781 PMMTVSAYNNFLNYVSSLPSTKAGPKIVSHLLHLVDN KESLEN ISEN DDYL KHQPEISLQ 840  
Qy 841 MQ LRLGLWQICPQAYFSMVSEHLLVLALKTAYQSNTVAACSPFVLQFLQGRTLTGALNL 900  
Db 841 MQ LRLGLWQICPQAYFSMVSEHLLVLALKTAYQSNTVAACSPFVLQFLQGRTLTGALNL 900  
Qy 901 QYFFDH PESLSL LRSIHFPIRG NKTSPRAH FS VLET CF DKS QVPTID QDY ASAF EPM NEW 960  
Db 901 QYFFDH PESLSL LRSIHFPIRG NKTSPRAH FS VLET CF DKS QVPTID QDY ASAF EPM NEW 960  
Qy 961 ERNL AEKEDNVKSYMDM QRRAS PDLSTGYWLSPKQYKIP CLEVDVN D IDVV GQDM LEIL 1020  
Db 961 ERNL AEKEDNVKSYMDM QRRAS PDLSTGYWLSPKQYKIP CLEVDVN D IDVV GQDM LEIL 1020  
Qy 1021 MTVFSASQRIELH LNH SRGFIESIRPALELSKASVTKCSIS KLELSAAE QELL TLP SLE 1080  
Db 1021 MTVFSASQRIELH LNH SRGFIESIRPALELSKASVTKCSIS KLELSAAE QELL TLP SLE 1080  
Qy 1081 SLEVSGTIQS QDQI FPNL DKFL CLKEL SVDLEG NINVFSV IPEEF PNFH HMEK LLIQISA 1140  
Db 1081 SLEVSGTIQS QDQI FPNL DKFL CLKEL SVDLEG NINVFSV IPEEF PNFH HMEK LLIQISA 1140  
Qy 1141 EYDP SKL VLK L I QNSP NLHV FHLK CNFFSDF GSIM TMLV SCKL TEIK FSDS FFQAVPFVA 1200  
Db 1141 EYDP SKL VLK L I QNSP NLHV FHLK CNFFSDF GSIM TMLV SCKL TEIK FSDS FFQAVPFVA 1200  
Qy 1201 SLPNFISL KILN L E GQ QFP DEET SEK FAYI LG SLSN LEEL I LP TGDI YRVAKL II QQ CQ 1260  
Db 1201 SLPNFISL KILN L E GQ QFP DEET SEK FAYI LG SLSN LEEL I LP TGDI YRVAKL II QQ CQ 1260  
Qy 1261 QLHCLRVLSFFKTLNDDSVVEI GEL 1285  
Db 1261 QLHCLRVLSFFKTLNDDSVVEI AKV 1285

RESULT 5  
AAY09539

ID AAY09539 standard; protein; 1403 AA.